

- CS Corel SUB D1 Corel
- b) using a self organizing map, clustering the datapoints such that the datapoints that exhibit similar patterns are clustered together into respective clusters in a manner free of predetermined association of patterns with respective clusters; and
 - c) providing an output indicating the clusters of the datapoints.
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11. (Amended) In a computer system, a method for grouping a plurality of datapoints, wherein each datapoint is a series of gene expression values, wherein the method comprises:

- SUB D2)
- a) receiving gene expression values of the datapoints;
 - b) filtering out any datapoints that exhibit an insignificant change in the gene expression value, such that working datapoints remain;
 - c) normalizing the gene expression value of the working datapoints;
 - d) using a self organizing map, grouping the working datapoints such that the datapoints that exhibit similar patterns are grouped together into respective clusters in a manner free of predetermined association of patterns with respective clusters; and
 - e) providing an output indicating the groups of the datapoints.
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REMARKS

Amendments to the Specification:

The specification has been amended to remove reference to hyperlinks or websites. No new matter is added.

Amendments to the Claims:

The claims have been amended to reflect that the grouping of the datapoints into classes or clusters using a Self Organizing Maps (SOM) is done in a manner that does not require pre-determined information or association of the classes (e.g., having no prior knowledge of classes). Support for this amendment can be found throughout the specification, and in particular, on